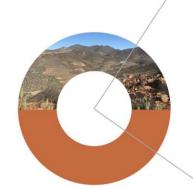


# Scale & Grade

Productora Gets High Grade Copper Production Options



**ASX code: HCH** 

28th March 2018



#### Disclaimer

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# Triggering a Major Re-rate



- HCH Market Capitalisation A\$250M (Cu price US\$S3.00 3.30/lb)
- Half the current resource base, no completed PFS, no major partner or infrastructure access

#### **Hot Chili Now**

Hot Chili in 2013

- Current Market Capitalisation A\$30M fully dilute (Cu price U\$\$\$3.00 3.30/lb)
- Over US\$90M invested, 1.5Mt Cu & 1.0Moz Au Resource and infrastructure access
- PFS complete, 10Yr mine life with Av annual EBITDA of US\$185M over life of mine at US\$3.00/lb Cu price. Chilean major CMP as 20% contributing JV partner

#### **Three Triggers**

**Copper Price** 

Grade

Mine Life

## **Rising Momentum**



- Set to test Bull Market conditions ahead of looming supply deficit expected in 2020
- Advanced large copper developments are rare



#### High Grade Growth to Deliver Major Upside





#### **Major Chilean Copper Asset - Productora**



#### 10 Years Mine Life

- 66kt Cu and 25koz Au production annually over first 8 Yrs
- Extending to +17 Yrs Mine Life

#### High Grade Options Drill Ready – El Fuego

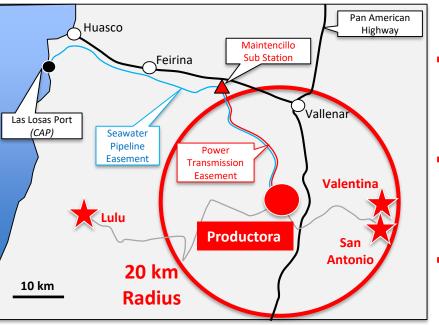


- 3 stranded copper mines
- Historical Cu grades of 2% to 5%
  - 20km trucking distance

### **Critical Mass**



#### **Emerging Large Coastal Operating Centre**



Taking advantage of planned largescale , low-cost processing facility

Combining multiple ore sources to achieve higher grade and critical mass

Further consolidation being pursued

**Positioning for Planned Dual Listing** 

ASX

- Expanded metal production and higher margin copper developer
- Getting set for planned dual listing

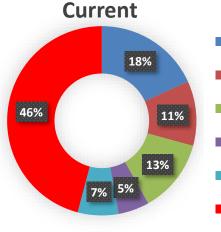
## **Corporate Overview**

#### hot chili

#### **Board of Directors**

Murray Black	Non Exec Chairman
Christian Easterday	Managing Director
Michael Anderson	Non Exec Director
Allan Trench	Non Exec Director
Roberto de Andraca Adriasola	Non Exec Director
Randall Nickson	Non Exec Director

#### **Substantial Shareholders**



KAS & Blue Spec Group
CAP SA
Taurus
■ Megeve
Exploration Capital Partners & Sprott
Remaining

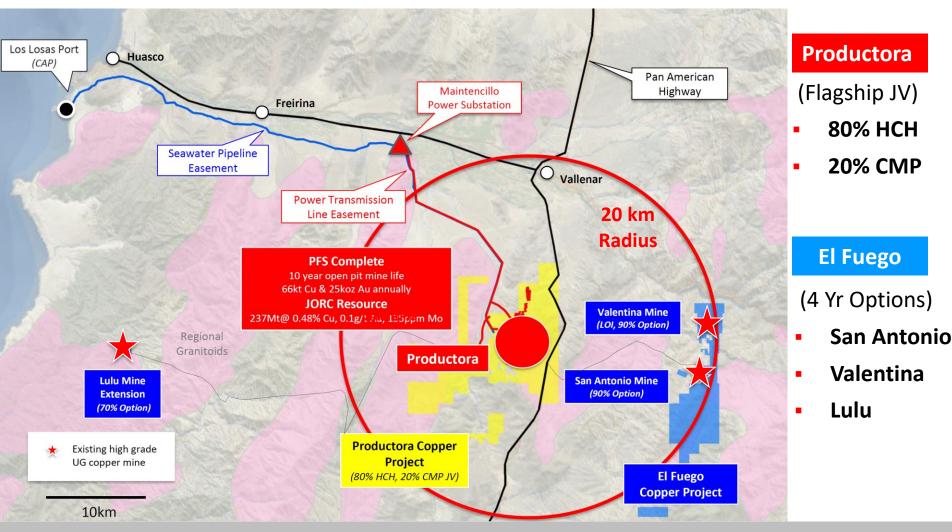
#### **Capital Structure**

Issued Shares	596.4M
Unlisted Options	11.0 M (30c, exp Jun 2019) 8.0M (10c, exp Sept 2018 20.0M (3.33c, exp Jun 2019)
Unlisted 5yr Convertible Notes	112,559 (A\$100 face value) (convert @ 3.33c)
Share Price	A\$0.034
Mkt Capitalisation	A\$20.3M
Mkt Capitalisation (fully dilute)	A\$31.8M (incl Con Notes, Options)
Cash	<b>A\$1.0M approx</b> . (15 <sup>th</sup> March 2018)
Enterprise Value (EV)	A\$19.3M
Enterprise Value (fully dilute)	A\$30.8M

## **Centre of Gravity**



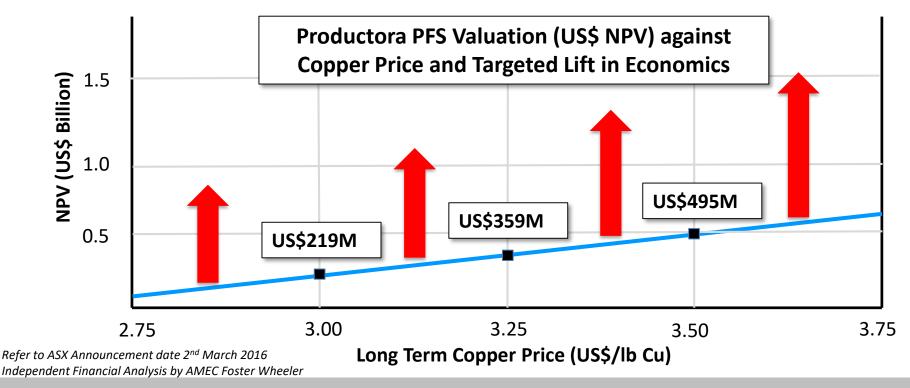
- Low altitude coastal range copper operating centre
- 700km north of Santiago Chile, significant infrastructure advantage secured



### **Productora- Value Springboard**



- Asset highly leveraged to copper price
- Economics also highly leveraged to additional mine life and higher grade blend
- Confirming critical mass key to delivering standout economics and DFS green light



## eals to earn controlling interest in three high

- Option deals to earn controlling interest in **three high grade copper mines** combined as the El Fuego copper project
  - San Antonio
  - Valentina
  - Lulu
- Family owned mines for over 50 years with little/no modern exploration or resource drilling

 2.5km of high priority strike potential containing historical +2 % copper mines developed from surface







## San Antonio- Grade and Scale





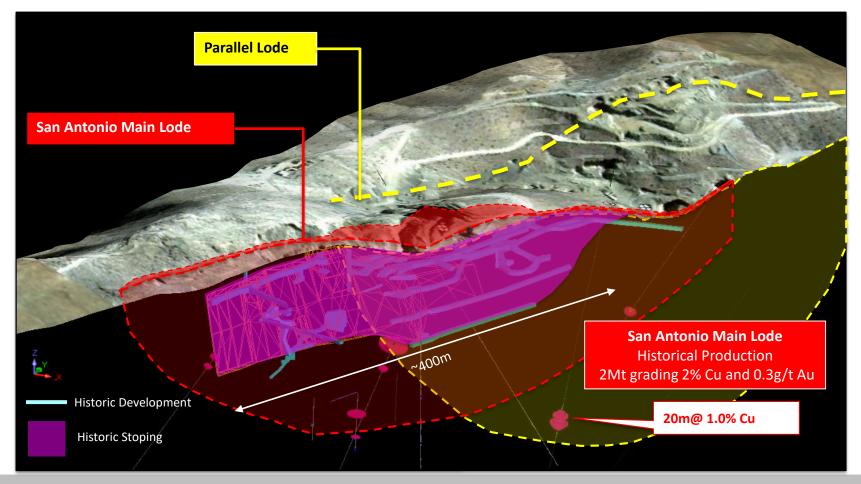
San Antonio Main Lode Historical Production 2Mt grading 2% Cu and 0.3g/t Au 7 to 30m development widths Mined to 130m vertical over 400m strike

- Privately owned and mined since 1964
- JV Option Agreement executed 8<sup>th</sup> Nov 2017
- 4 Yr term to earn 90% interest
- No payments/commitments in first 3 Yrs
- Payment of US\$0.3M in 36 months and US6.7M in 48 months

### San Antonio- Mine Model

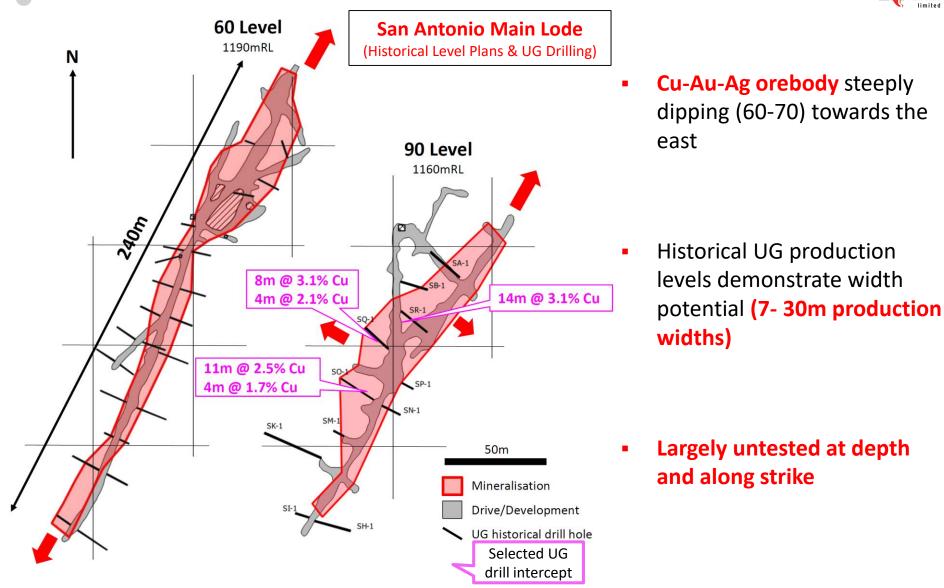


- Only 9 historical surface drill holes and limited information available.
- Strike & depth potential untested and unknown



## San Antonio- Attractive Scale





Refer to ASX Announcement dated 8<sup>th</sup> March 2018 for Table 1 Notes to historical mine information

# San Antonio- Being Mined Now



 Lease mining allowed to continue under capped 50ktpa arrangement during Option period

 Sulphide copper being mined from near-surface and processing of ore through nearby ENAMI plant

 2-4% Cu ore grades being exploited from shallow depth along northern extent of mine



Note: HCH does not receive cashflows from lease mining activities

Refer to ASX Announcement dated 8th March 2018 "Miners Exploit Shallow High Grade Copper at San Antonio

#### San Antonio - Bigger than First Recognised

Regional

1.5% Cu

Lease Mining

(Nov 17 – Feb 18)

204 tonnes sulphide ore

From 20m wide zone Grading 2.1% to 4.3% Cu

2.0% Cu



 Miners extract 16 tonne ore parcel in exploratory drive 300m south of underground

 5.2% Cu over 2m width from 12-15m depth (ENAMI certified)

 Large-scale deposit setting recognised with over 1km of mineralised strike extent



Deposit Footprint and Existing Mine Development

3.0% Cu

CODELCO drill intercept 20m @ 1.0% Cu

(from 310.5m downhole)

Parallel Lode

+1% Cu mineralised

envelope interpretation

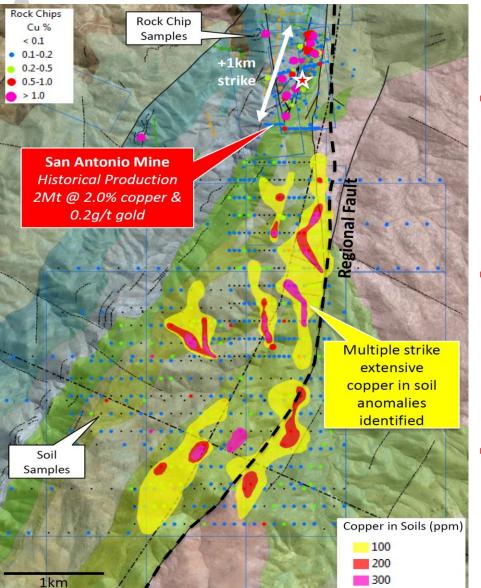
1.1% Cu

1.6% Cu

4.4% Cu

### San Antonio- Not Alone





 In-fill surface geochemical programme results

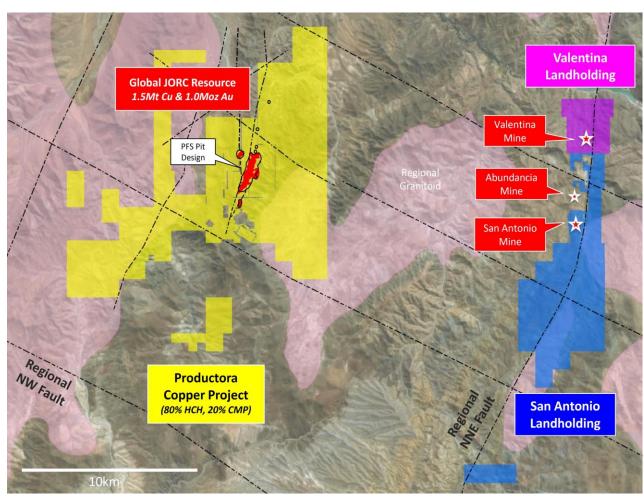
 Confirming multiple +1km surface copper anomalies south of San Antonio

Peak rock chip result of **0.9% copper and 40g/t silver** 

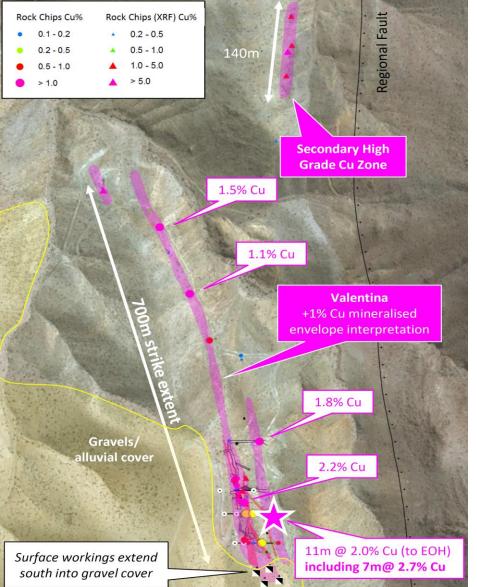
### Valentina- Latest Addition



- 5km north of San Antonio
- Non Binding LOI for JV Option executed 21<sup>st</sup> Feb 2018
- 4 Yr term to earn 90% interest
- No payments in first 3 Yrs
- Payment of US\$0.15M in 36 months and US\$4.0M in 48 months



# Valentina- Another San Antonio?

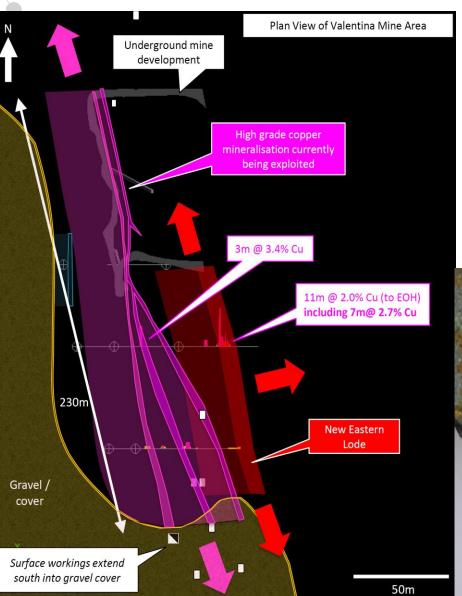


 Historical small-scale underground mine, with 1 – 5m development widths exposed at surface

Certified mine grades of 3.4% to 4.8% Cu (Average 4% Cu) from 1997

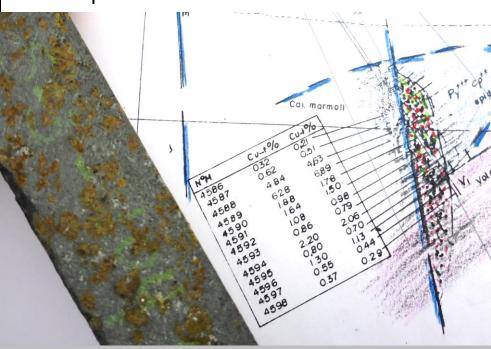
 Detailed mapping and surface sampling by HCH confirm over 700m strike potential

## **Valentina- Historical Drilling**

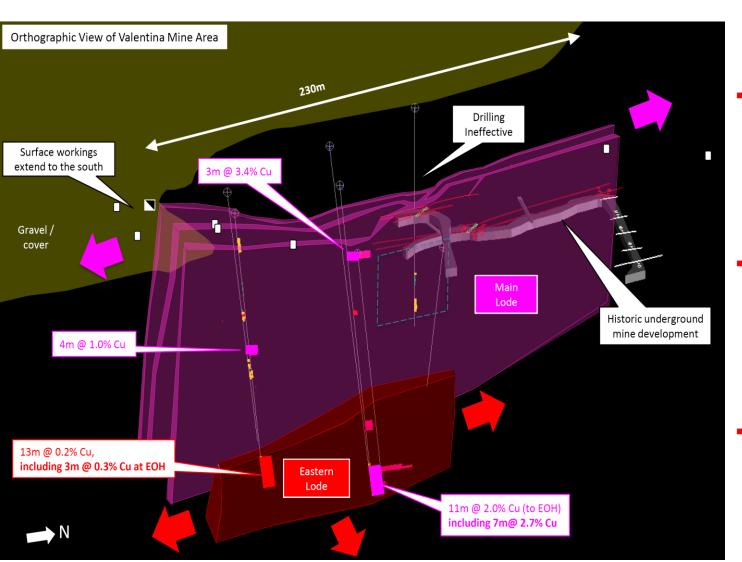




- End of Hole 11m @ 2% Cu not followed up
- **7 historical drill holes completed** in 1993
- Wide zones of chalcopyrite logged and not sampled



### **Valentina- Mine Area Focus**



Shallow high grade copper sulphide potential

Currently 230m strike extent across mine area

 Open along strike and at depth

### Lulu- Extension of a Trophy Mine



#### **Sucovon Mine**

Reportedly Developed to 600m depth Mine widths of 1.5m to 2m Average grade of 6% Cu and 3g/t Au

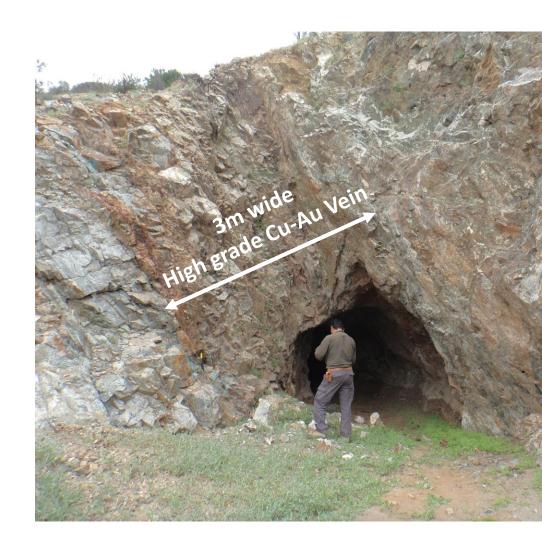
Lulu High Grade Cu-Au Vein

Refer to ASX Announcement dated 7th Nov 2017 "Lulu high Grade Copper Satellite Copper Project Secured"

# Lulu- Third High Grade Option



- 30km west of Productora
- JV Option Agreement executed 7<sup>th</sup> Nov 2017
- 4 Yr term to earn 70% interest
- US\$ 2.45M payment schedule
  US\$75k execution
  US\$75k Yr 1
  US\$150k Yr 2
  US\$150k Yr 3
  US\$2M Yr 4



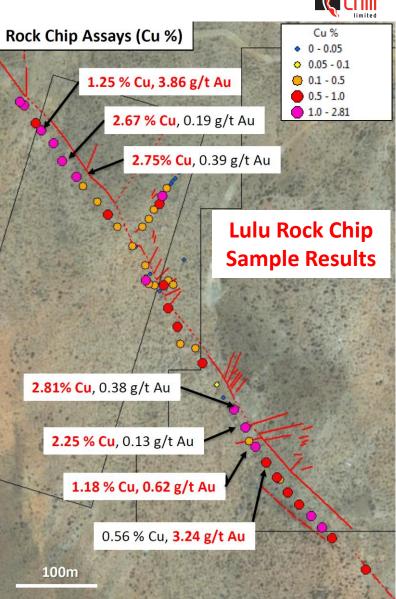
### Lulu-Outstanding Potential

 Sucovon is one of the highest grade historical mines in the region, commenced by British in 1860's

 Exploited vein widths up to 7m with grades averaging 12% copper and 5g/t gold

Lulu is the 800m direct strike extension of Sucovon

 Privately held since 1932 and no drill holes ever undertaken

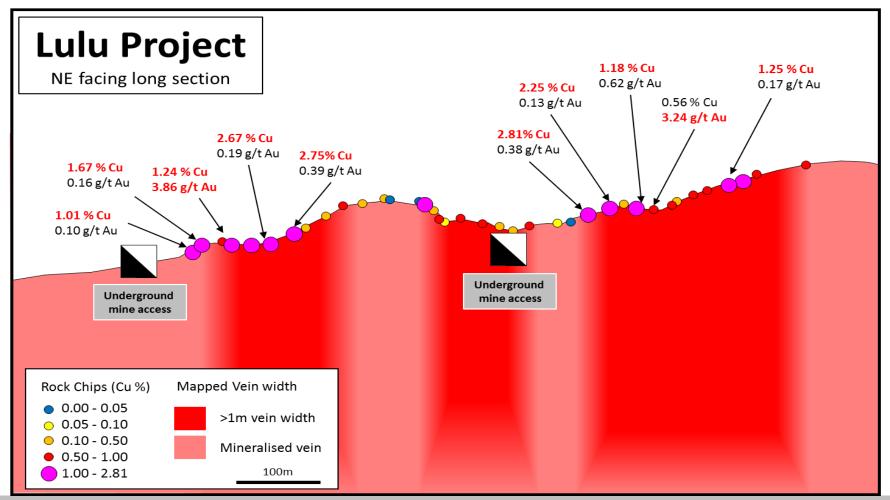




## **Lulu-Impressive Results**



- Detailed mapping and sampling over 800m strike length of main ore hosting vein
- Confirmed high grade Cu & Au at surface over widths ranging from 70cm to 4.1m



Refer to ASX Announcement dated 7<sup>th</sup> Dec 2017 "Impressive Surface Results Returned from Lulu"

#### **Expected News Flow**



- Over 400 surface sample results pending from detailed mapping campaign across San Antonio and Valentina
- Expanded regional soil sampling programme underway over San Antonio and Valentina landholdings
- Commencement of first drilling programme to test multiple high grade targets across El Fuego
- Partnerships for other expansion opportunities being evaluated
- Further consolidation and successful results to be combined with timing of a planned dual listing this year

### **Qualifying Statements**



#### **Mineral Resource and Ore Reserve Confirmation**

The information in this presentation that relates to Mineral Resources and Ore Reserve estimates on the Productora copper project was previously reported in the ASX announcement "Hot Chili Delivers PFS and Near Doubles Reserves at Productora" dated 2<sup>nd</sup> March 2016, a copy of which is available on the ASX website at <u>www.asx.com.au</u> and the Company's website at <u>www.hotchili.net.au</u>. The company confirms that it is not aware of any new formation or data that materially affects the information included in the original market announcement and that all material assumptions and technical parameters underpinning the estimates in that announcement continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.

	Reserve Category		Grade				Contained	Metal	Payable Metal		
Ore Type			Cu	Au	Мо	Copper	Gold	Molybdenum	Copper	Gold	Molybdenum
Cau	category	(Mt)	(%)	(g/t)	(ppm)	(tonnes)	(ounces)	(tonnes)	(tonnes)	(ounces)	(tonnes)
Oxide		24.1	0.43	0.08	49	103,000	59,600	1,200	55,600		
Transitional	Probable	20.5	0.45	0.08	92	91,300	54,700	1,900	61,500	24,400	800
Fresh		122.4	0.43	0.09	163	522,500	356,400	20,000	445,800	167,500	10,400
Total	Probable	166.9	0.43	0.09	138	716,800	470,700	23,100	562,900	191,900	11,200

#### Productora Project Ore Reserve Statement, March 2016<sup>1</sup>

Note 1: Figures in the above table are rounded, reported to two significant figures, and classified in accordance with the Australian JORC Code 2012 guidance on Mineral Resource and Ore Reserve reporting. Note 2: Price assumptions: Cu price - US\$3.00/lb; Au price US\$1200/oz; Mo price US\$14.00/lb. Note 3: Mill average recovery for fresh Cu - 89%, Au - 52%, Mo - 53%. Mill average recovery for transitional; Cu 70%, Au - 50%, Mo - 46%. Heap Leach average recovery for oxide; Cu - 54%. Note 4: Payability factors for metal contained in concentrate: Cu - 96%; Au - 90%; Mo - 98%. Payability factor for Cu cathode - 100%.

#### **Productora JORC Compliant Mineral Resource**

#### Productora Project Higher Grade Resource, March 2016

			Grad	le		Contained Metal			
		Tonnage	Cu	Au	Mo	Copper	Gold	Molybdenum	
Deposit	Classification	(Mt)	(%)	(g/t)	(ppm)	(tonnes)	(ounces)	(tonnes)	
	Indicated	166.8	0.50	0.11	151	841,000	572,000	25,000	
Productora	Inferred	51.9	0.42	0.08	113	219,000	136,000	6,000	
	Sub-total	218.7	0.48	0.10	142	1,059,000	708,000	31,000	
	Indicated	15.3	0.41	0.04	42	63,000	20,000	600	
Alice	Inferred	2.6	0.37	0.03	22	10,000	2,000	100	
	Sub-total	17.9	0.41	0.04	39	73,000	23,000	700	
	Indicated	182.0	0.50	0.10	142	903,000	592,000	26,000	
Combined	Inferred	54.5	0.42	0.08	109	228,000	138,000	6,000	
	Total	236.6	0.48	0.10	135	1,132,000	730,000	32,000	

Reported at or above 0.25 % Cu. Figures in the above table are rounded, reported to two significant figures, and classified in accordance with the Australian JORC Code 2012 guidance on Mineral Resource and Ore Reserve reporting. Metal rounded to nearest thousand, or if less, to the nearest hundred.

#### Productora Project Low Grade Resource, March 2016

			Grad	le		Contained Metal			
		Tonnage	Cu	Au	Mo	Copper	Gold	Molybdenum	
Deposit	Classification	(Mt)	(%)	(g/t)	(ppm)	(tonnes)	(ounces)	(tonnes)	
	Indicated	150.9	0.15	0.03	66	233,000	170,000	10,000	
Productora	Inferred	50.7	0.17	0.04	44	86,000	72,000	2,000	
	Sub-total	201.6	0.16	0.04	60	320,000	241,000	12,000	
	Indicated	12.3	0.14	0.02	29	17,000	7,000	400	
Alice	Inferred	4.1	0.12	0.01	20	5,000	2,000	100	
	Sub-total	16.4	0.13	0.02	27	22,000	9,000	400	
	Indicated	163.2	0.15	0.03	63	250,000	176,000	10,000	
Combined	Inferred	54.8	0.17	0.04	43	91,000	74,000	2,000	
	Total	218.0	0.16	0.04	58	341,000	250,000	13,000	

Reported at or above 0.1% Cu and below 0.25% Cu. Figures in the above table are rounded, reported to two significant figures, and classified in accordance with the Australian JORC Code 2012 guidance on Mineral Resource and Ore Reserve reporting. Metal rounded to nearest thousand, or if less, to the nearest hundred. Metal rounded to nearest thousand, or if less, to the nearest hundred.



#### **Qualifying Statements**

#### hot chili

#### **Competent Person's Statement**

#### **Exploration Results**

Exploration information in this Presentation is based upon work undertaken by Mr Christian Easterday, the Managing Director and a fulltime employee of Hot Chili Limited whom is a Member of the Australasian Institute of Geoscientists (AIG). Mr Easterday has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a 'Competent Person' as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves' (JORC Code). Mr Easterday consents to the inclusion in the report of the matters based on their information in the form and context in which it appears.

#### **Mineral Resources**

The information in this Presentation that relates to the Productora Project Mineral Resources, is based on information compiled by Mr J Lachlan Macdonald and Mr N Ingvar Kirchner. Mr Macdonald is an employee of Hot Chili Ltd and is a Member of the Australasian Institute of Mining and Metallurgy (AusIMM). Mr Kirchner is employed by AMC Consultants (AMC). AMC has been engaged on a fee for service basis to provide independent technical advice and final audit for the Productora Project Mineral Resource estimates. Mr Kirchner is a Fellow of the Australasian Institute of Mining and Metallurgy (AusIMM) and is a Member of the Australian Institute of Geoscientists (AIG). Both Mr Macdonald and Mr Kirchner have sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves' (the JORC Code 2012). Both Mr Macdonald and Mr Kirchner consent to the inclusion in the report of the matters based on their information in the form and context in which it appears.

#### **Ore Reserves**

The information in this Presentation that relates to Productora Project Ore Reserves, is based on information compiled by Mr Carlos Guzmán, Mr Boris Caro, Mr Leon Lorenzen and Mr Grant King. Mr Guzmán is a Fellow of the Australasian Institute of Mining and Metallurgy (AusIMM), a Registered Member of the Chilean Mining Commission (RM- a 'Recognised Professional Organisation' within the meaning of the JORC Code 2012) and a full time employee of NCL Ingeniería y Construcción SpA (NCL). Mr Caro is a former employee of Hot Chili Ltd, now working in a consulting capacity for the Company, and is a member and is a Member of the Australasian Institute of Mining and Metallurgy (AusIMM) and a Registered Member of the Chilean Mining Commission. Mr Lorenzen is employed by Mintrex Pty Ltd and is a Chartered Professional Engineer, Fellow of Engineers Australia, and is a Fellow of the Australasian Institute of Mining and Metallurgy (AusIMM). Mr King is employed by AMEC Foster Wheeler (AMEC FW) and is a Member of the Australasian Institute of Mining and Metallurgy (AusIMM). NCL, Mintrex and AMEC FW have been engaged on a fee for service basis to provide independent technical advice and final audit for the Productora Project Ore Reserve estimate. Mr. Guzmán, Mr Caro,Mr Lorenzen and Mr King have sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration, and to the activity which they are undertaking to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Guzmán, Mr Caro,Mr Lorenzen and Mr King consent to the inclusion in the report of the matters based on their information in the form and context in which it appears.

#### **View Across San Antonio**





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